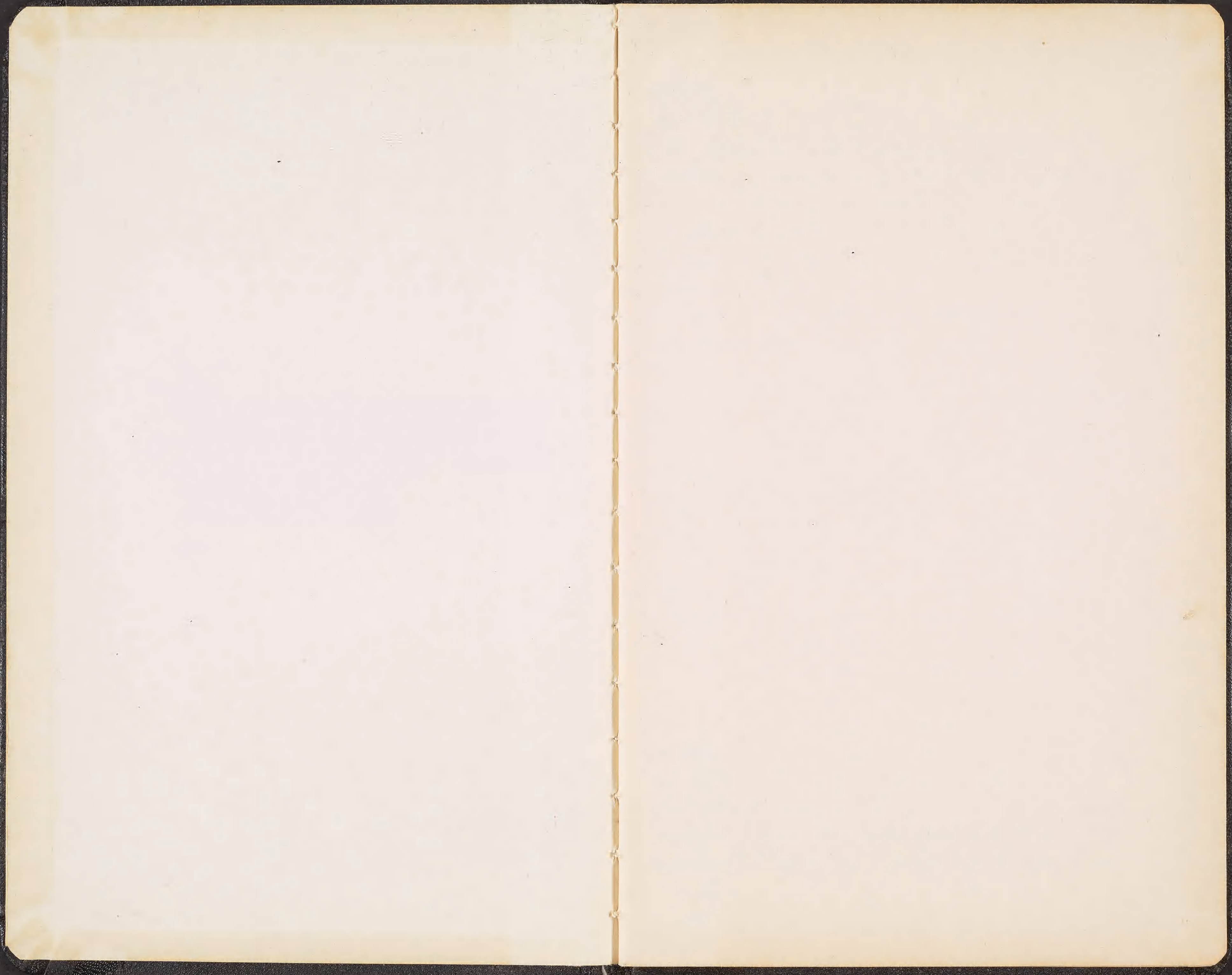


7530-274-5494
FEDERAL SUPPLY SERVICE



RH 442

Col: RPH

Date: April 8, 1977

Location: Twin Cays, the eastern mouth of the mangrove area.

Depth: ~~8 meters~~ feet = (2 m)

Sediment: Coral clay w. some turtle grass

Gear: NMD

Remarks: Echinoderes, Trachydermis, & Pycnophyes were present.

RH 443

Col: RPH

Date: April 8, 1977

Location: 500 m. west of RH 442

Depth: ~~10 m~~ ~~15 m~~ 3.3

Sediment: Fine coral mud in turtle grass, outside of mangrove area.

Gear: NMD

Remarks: Few chironomids, a lot of Tanaids as compared w. RH 442, large young clams Echinoderes, Trachydermis & Pycnophyes were present.

RH 444

Col: RPH

Date: April 8, 1977

Location: 1000 m. southwest of RH 442

Sediment: Fine coral mud in turtle grass, outside of mangrove area.

Depth: ~~10-15 m~~ (10) AD

Gear: NMD

Remarks: Same fauna present as in 443,
however more kinorhynchs than in 443
Echinoderes, Pycnophyes, Torachydermus

RH 445

Col: RPH

Date: April 9, 1977

Location: Sand trough in the outer fore-reef area
of the transect across barrier reef at
Carrie Bow Cay, Belize.

Depth: 80 feet ~~4 m~~ (25 m)

Gear: NMD

Sediment: Fine sand

Remarks: Sample poor when compared w. previous
samples (Tanaids, few copepods
small nematodes).
Echinoderes present - very small & a few
Pycnophyes.

RH 446

Col: RPH

Date: April 10, 1977

Location: Thalassia zone of the lagoon in the transect
across the barrier reef at Carrie Bow
Cay, Belize

Depth: 3² meters

Gear: NMD

Sediment: Mixed sand & shell, some fine sediment
(Halimeta sand)

Remarks: Abundance of Echinoderes, one Semnoderes (?),
poor kinorhynch sample, sample was small.

RH 447

Col: RPH

Date: April 10, 1977

Location: Sand & rubble zone of the lagoon in the
transect across the barrier reef at Carrie Bow
Cay.

Depth: 3 meters (1.5 m)

Sediment: Halimeta sand

Gear: NMD

Remarks

Note: CRC Marine Formula 6-66 No. 06006

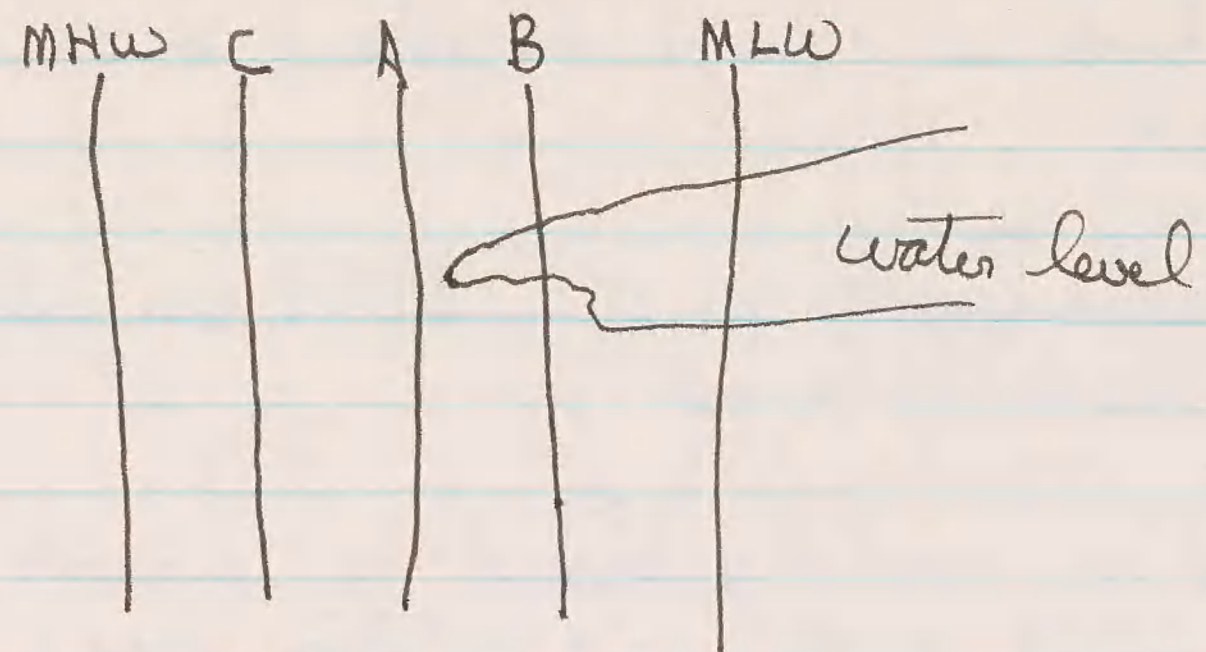
- Sta. A - Thalassia lagoon
Sta. B - Sand & rubble lagoon
Sta. C - Rubble & pavement back reef
Sta. D - Lower spur & groove zone, inner
for-reef.
Sta. E. - Sand trough, outer for-reef.

RH 450

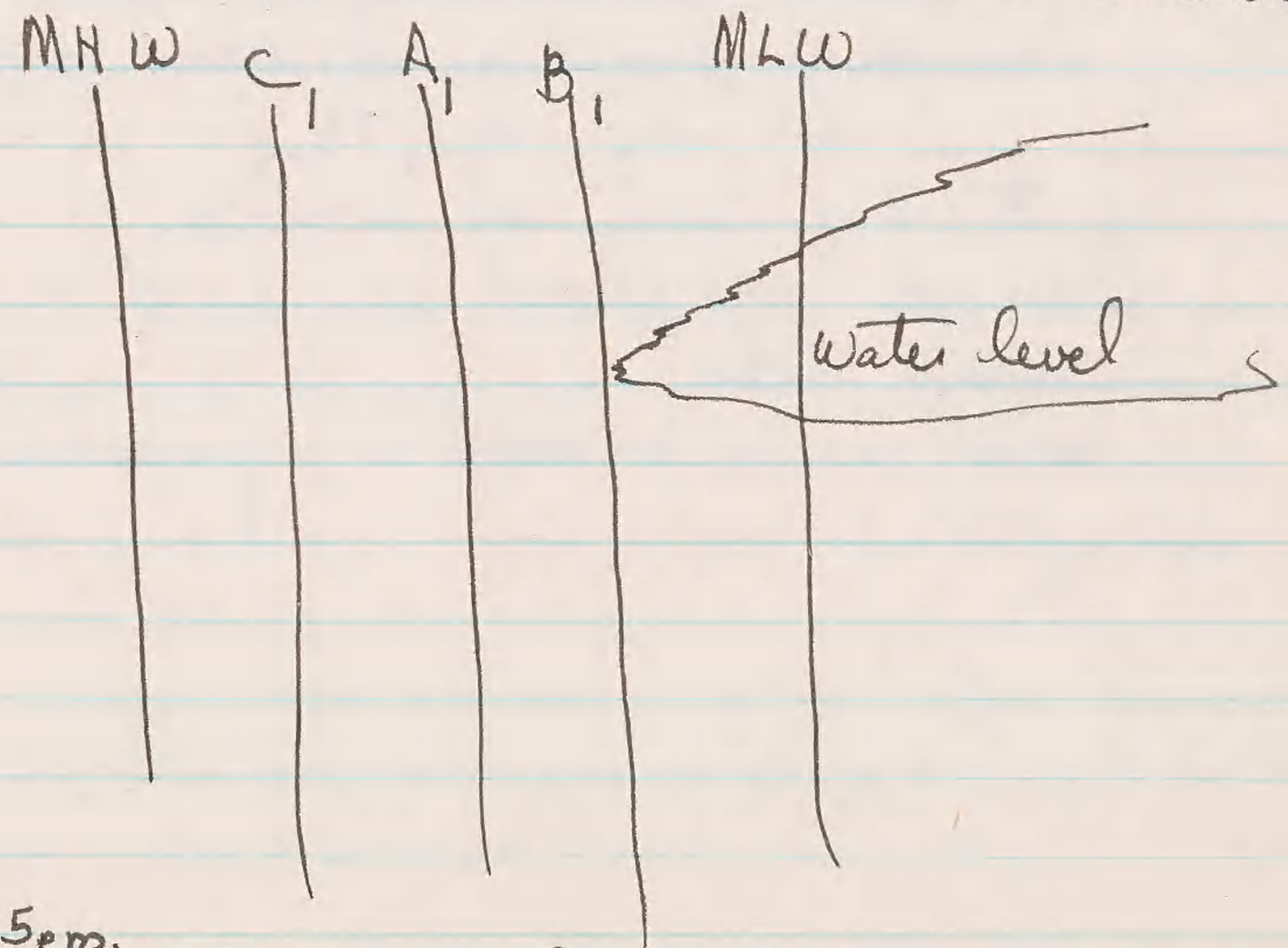
June 29, 1977

Cape Henlopen Beach

10:15 a.m. - intermediate ebb Tide



1:45 p.m. } Tide had just ~~reached~~ low mark -
1:20 scheduled low tide



1:15 p.m.

~~1:15 p.m.~~ - Sand samples taken at 3 sampling areas. (A_s, B_s, C_s)

June 29, 1977
 Sampling Procedure for A, B, C,
 + A, B, C,
 1) 1st cm layer of ~~sh~~ sand was shoveled
 away.

2) Two shovel-full of sand were placed in a
 bucket.

3) Filtered seawater w. 10% ETOH was added
 to bucket of sand.

4) Sand was washed & stirred w. seawater -
 10% ETOH mixture - & solution was
 decanted off & passed thru a mermaid bra.

5) Material placed in jars & formalized.

Sampling procedure for sand samples
 A_s, B_s, C_s
 Top 3 cm of sand was removed
 Glass jar was placed in sand as a
 coring tube
 Sand sample preserved w. formalin.

Priapulids

Tel. comm. w. Duane Hop
 2 samples contained mystery beast

6 pm } both at intermediate
 6 am } flood tides

halfway between high
 low tide

5th, 6th, 7th cm contained specimens
 of priapulids

Results:

No. of Pri

Sample
 B_s

A - lot of fauna
 (Mysticocarid
 Gastrotrichs
 Oligochaetes etc)

B_i

